



CLOSE CALL INCIDENT



WHERE?

- *CENTRAL AIR STATION, BUILDING 4607*
- *HIGH PRESSURE COMPRESSOR #4*
- *BLOWDOWN LINE FOR WATER/OIL CONDENSATE*

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PM, PP&C Contract



WHAT HAPPENED?

- VALVE BODY BURST DUE TO OVER-PRESSURIZATION

DRIVING EVENTS

- VALVE INSTALLED DURING CONSTRUCTION
 - INTRODUCED A HAZARD TO OPERATIONS
 - NOT DOCUMENTED ON DESIGN OR "AS-BUILT" DRAWINGS
- HAZARD RECOGNIZED AND SYSTEM "SAFED" BY OPENING VALVES, REMOVING HANDLES, AND TAGGING "DO NOT CLOSE"
- PERMANENT FIX NOT IMPLEMENTED
- CORRECTION TO CONFIGURATION NOT IMPLEMENTED

LESSONS LEARNED

- *FIELD MODIFICATIONS SHOULD BE ANALYZED ACCORDING TO DESIGN REQUIREMENTS AND DOCUMENTED*
- *WORK ORDER CONTROL SYSTEMS SHOULD BE DESIGNED TO ELIMINATE HUMAN ERROR POTENTIAL*

CORRECTIVE ACTIONS

- *ALL VALVES HAVE BEEN REMOVED*
- *FULLY AUTOMATED SYSTEM IS BEING DEVELOPED TO BETTER CONTROL WORK ORDERS*
- *PERIODIC REVIEWS OF SAFETY-RELATED WORK ORDERS ARE BEING CONDUCTED*